

ONE SYSTEMS ARCHITECTS' AND ENGINEERS' SPECIFICATIONS 108IM

The loudspeaker shall be a direct weather rated two-way system with an IP rating of 45. The enclosure shall be injection molded and utilize a high weatherproof resin. The system shall utilize all stainless steel internal and external rigging and suspension points and an internal aluminum structural bracket.

System frequency response shall be 65Hz to 16kHz. System sensitivity shall be a nominal 92dB with a 1 watt electrical input and measured at 1 meter on system axis. System power handling shall be 200 watts continuous, 400 watts program, and 800 watts peak.

The transducers shall be a 203mm (8") nominal low frequency driver in a vented enclosure. The high frequency driver shall be a medium format titanium diaphragm with a nominal diameter of 44mm (1.73") and shall be designed using Equivalent Throat technology.

The system shall be capable of utilizing two high frequency horns, both of which are fully rotatable and interchangeable. The radiation patterns of the high frequency horns shall be 60X40 and 105X60 and shall be selected based on system acoustical requirements. The system shall have a high order passive crossover. The enclosure system shall utilize two paralleled Neutrik Speakon connectors and a paralleled 4-position barrier strip. The system shall be supplied with an input section weather cover with integral gland nut. The system shall have a nominal impedance in full range mode of 8 ohms.

The system shall be compatible with the One Systems PT-35 bracket and 108IM-U bracket.

The system weight shall weigh 15.0kg (33lbs) and have physical dimensions of 483.84mm X 243.2mm X 270.77mm (19.05" X 9.56" X 10.66"). The system shall have an optional 70.7V and 100V transformer rated at 75 watts with tap values at 75 watts, 37.5 watts, and 18.75 watts. The system shall have multiple M8 mounting points. The system shall be a One Systems 108IM or equivalent.